Use these numbers to write equations:

0   1   2   3   6   8

Make 8 six different ways.

$$\Box + \Box = 8$$

$$\Box + \Box = 8$$

$$\Box\Box - \Box = 8$$

$$\Box\Box - \Box = 8$$

$$\Box\Box - \Box\Box = 8$$

$$\Box + \Box - \Box = 8$$

If $\triangle = 3$, $\square = 4$, and $\bigcirc = 2$, circle the groups that equal 6.
Write an equation below each group that is circled.

EXAMPLE

$$3 + 3 = 6$$
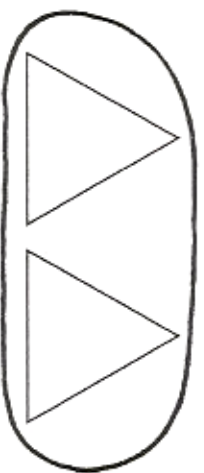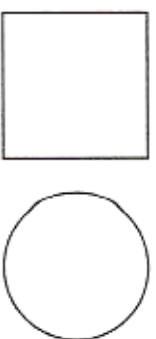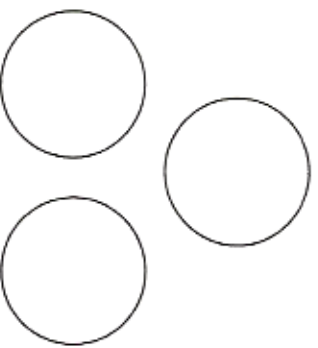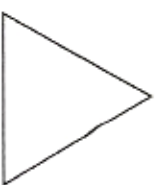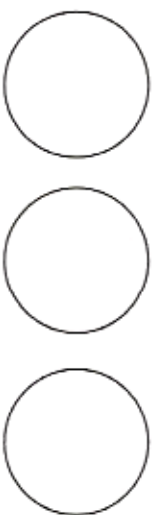
Use these numbers to write equations:
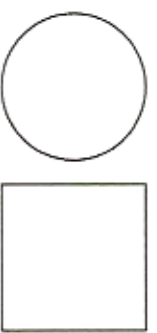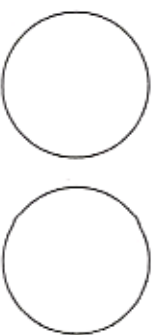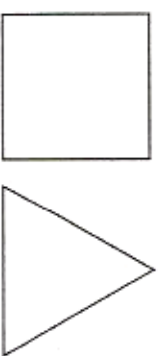
1 2 3 6

☐ − ☐ = 1

☐ − ☐ = 2

☐ − ☐ = 3

☐ + ☐ = 4

☐ + ☐ = 5

☐ + ☐ + ☐ = 6

☐ + ☐ = 7

☐ + ☐ = 8

☐ + ☐ = 9

☐ + ☐ + ☐ = 10

☐ + ☐ + ☐ = 11

☐ + ☐ + ☐ + ☐ = 12

If $\square + \triangle = 10$, show how $\triangle$ could be:

1. less than $\square$

$\boxed{9} + \triangle = 10$

2. greater than 6

$\square + \triangle = 10$

3. a 2-digit number

$\square + \triangle = 10$

4. more than $\square$

$\square + \triangle = 10$

5. between 1 and 5

$\square + \triangle = 10$

6. equal to $\square$

$\square + \triangle = 10$

7. odd

$\square + \triangle = 10$

8. an even number less than 4

$\square + \triangle = 10$

Use these numbers to write equations:

1 2 3 4 5 6

Make 9 six different ways.

$$\boxed{} + \boxed{} \quad \underline{9}$$

$$\boxed{} + \boxed{} \quad \underline{9}$$

$$\boxed{} + \boxed{} + \boxed{} \quad \underline{9}$$

$$\boxed{} + \boxed{} - \boxed{} \quad \underline{9}$$

$$\boxed{} \quad \boxed{} - \boxed{} = 9$$

$$\boxed{} \quad \boxed{} - \boxed{} = 9$$

3

If ears are $\bigcirc\bigcirc$, $\triangle\triangle$, or XX, and noses are ●, ▲, ■,
how many different faces can be made?
Cross out faces you can't use.

If there are 12 legs, what might be in the yard?
Circle the different groups.
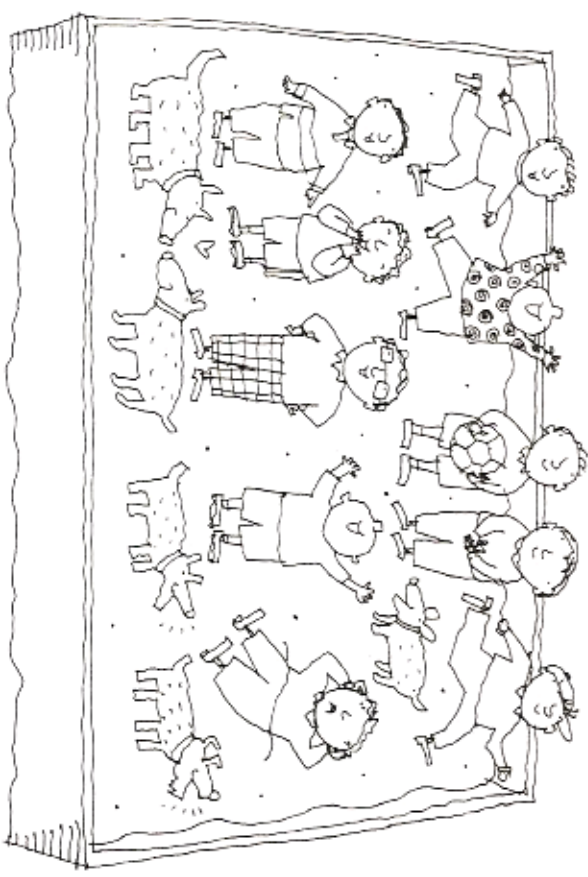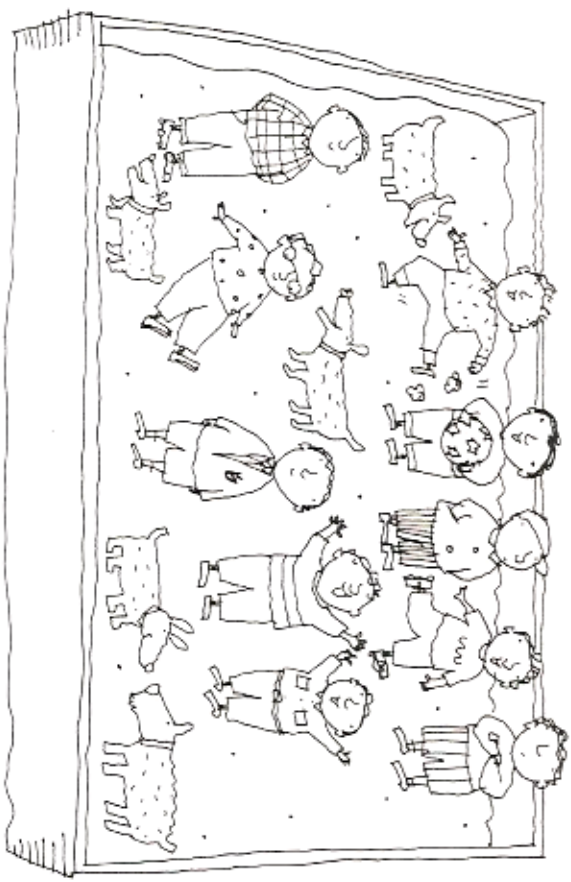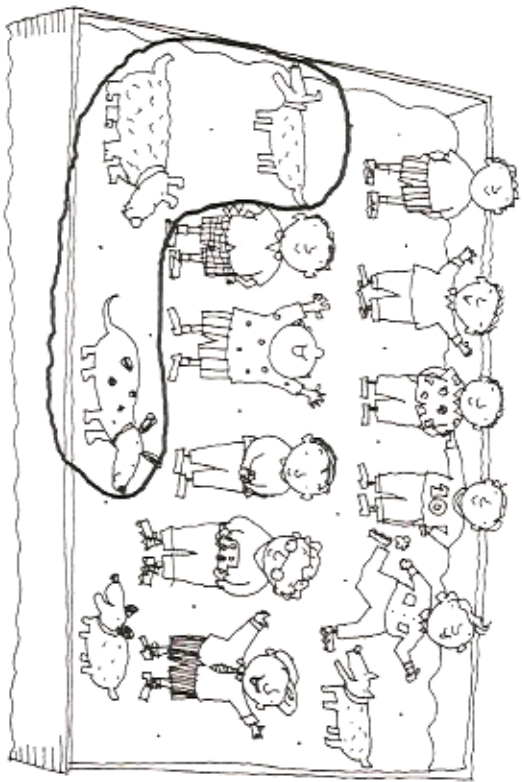
Use these numbers to write equations:

1 2 5 7

☐ − ☐ = 1

☐ − ☐ = 2

☐ + ☐ = 3

☐ − ☐ = 4

☐ − ☐ = 5

☐ + ☐ = 6

☐ − ☐ = 7

☐ + ☐ = 8

☐ + ☐ = 9

☐ + ☐ = 10

☐ + ☐ − ☐ = 11

☐ + ☐ + ☐ = 12

Use these numbers to write equations:

2 3 4 6 7 8

Make 10 six different ways.

□ □
——— +
10

□ □
——— +
10

□ □
——— +
10

□ + □ − □ = 10

□ + □ − □ = 10

□ □ − □ − □ = 10

Circle the numbers that go together.

EXAMPLE

bicycles 　　　wheels

（3）　　　　　（6）

2　　　　　　10

3 bikes have 6 wheels
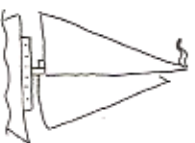
boats 　　　　sails

2　　　　　　5

3　　　　　　6

dresses 　　　bows

2　　　　　　6

3　　　　　　12

cones 　　　　scoops

1　　　　　　4

2　　　　　　3

bowls 　　　　fish

2　　　　　　12

3　　　　　　6

hats 　　　　feathers

4　　　　　　1

1　　　　　　5

Use these numbers to write equations:

1 2 4 9

☐ − ☐ = 1

☐ − ☐ = 2

☐ − ☐ = 3

☐ − ☐ = 4

☐ − ☐ = 5

☐ − ☐ − ☐ = 6

☐ − ☐ + ☐ = 7

☐ − ☐ + ☐ + ☐ = 8

☐ = 9

☐ + ☐ = 10

☐ + ☐ = 11

☐ + ☐ − ☐ = 12

Circle the numbers that go together.
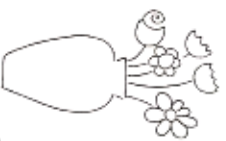
vases   flowers
3   25
5   9

machines   gumballs
3   10
4   20
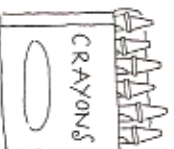
boxes   crayons
2   8
3   12

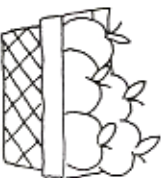wagons   wheels
3   8
2   20

baskets   apples
3   6
2   15

bugs   spots
3   8
2   4

Use these numbers to write equations:

1 2 3 4 7 9

Make 11 six different ways.

□ □ + □ =

□ □ + □ =

□ □ □ - □ =

□ - □ = □

□ + □ = □

□ - □ + □ =

Circle the numbers that go together.
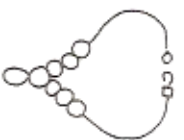
necklaces   beads

2   16

4   12

bags   marbles

2   14

4   18

nests   eggs

0   21

3   7
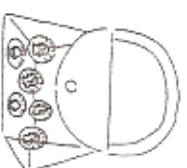
purses   pennies

3   9

2   18

buckets   shells

4   24

3   18

jars   cookies

3   14

2   18

Use these numbers to write equations:

1   5   8   9

$\square - \square = 1$

$\square - \square = 2$

$\square - \square = 3$

$\square - \square = 4$

$\square + \square = 5$

$\square - \square = 6$

$\square - \square = 7$

$\square - \square = 8$

$\square - \square = 9$

$\square + \square = 10$

$\square - \square = 11$
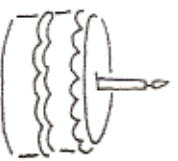
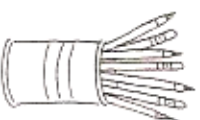$\square - \square + \square = 12$

Circle the numbers that go together.

cakes	candles
2	6
5	5

jars	jellybeans
1	10
0	8

cans	pencils
2	18
3	14

baskets	kittens
6	15
5	9

bunches	bananas
4	24
3	12

packages	gum
2	20
1	12

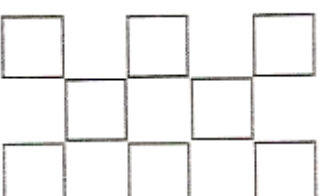| shelves	books
4	6
2	20

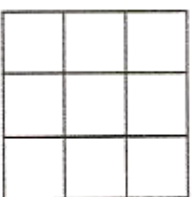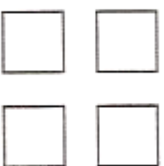| teddy bears	buttons
6	14
7	16

If ▭ = 2 and □ = 1, circle those groups that equal 8.
Write an equation below each group that is circled.

EXAMPLE
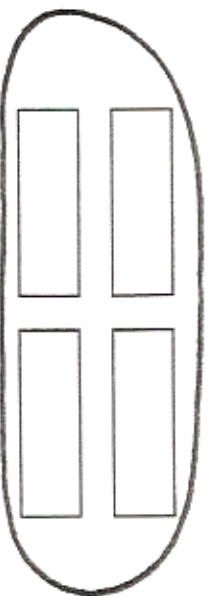
2 + 2 + 2 + 2 = 8

Use these numbers to write equations:

1   2   3   4   5   7

Make 12 six different ways.

$$\begin{array}{r} \square\;\square \\ +\;\square \\ \hline 12 \end{array}$$

$$\begin{array}{r} \square\;\square \\ -\;\square\;\square \\ \hline 12 \end{array}$$

$$\begin{array}{r} \square\;\square \\ -\;\square\;\square \\ \hline 12 \end{array}$$

$\square + \square + \square = 12$

$\square + \square + \square = 12$

$\square + \square - \square = 12$

If $9 - \triangle = \square$, show how $\triangle$ could be:

1. less than 1

$9 - \boxed{\triangle\!\!0} = \boxed{9}$

2. even

$9 - \triangle = \square$

3. more than $\square$

$9 - \triangle = \square$

4. not more than 3

$9 - \triangle = \square$

5. between 2 and 5

$9 - \triangle = \square$

6. odd

$9 - \triangle = \square$

7. less than $\square$.

$9 - \triangle = \square$

8. not less than 6

$9 - \triangle = \square$

Use these numbers to write equations:

1   3   6   7

$\square - \square = 1$

$\square + \square - \square = 2$

$\square - \square - \square = 3$

$\square - \square + \square = 4$

$\square - \square + \square = 5$

$\square - \square - \square = 6$

$\square - \square = 7$

$\square + \square - \square = 8$

$\square + \square + \square = 9$

$\square + \square + \square = 10$

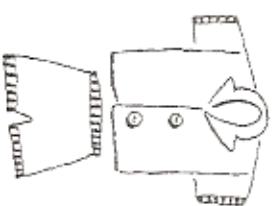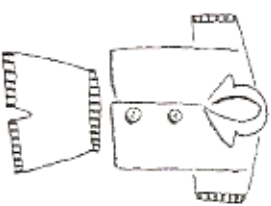$\square + \square + \square = 11$

$\square - \square + \square = 12$

If may be blue or yellow, and may be blue, yellow, black, or brown, how many different outfits can you color?

Cross out the outfits you can't color.
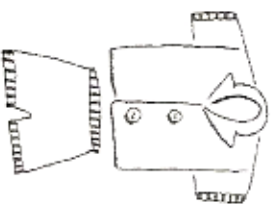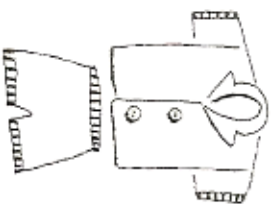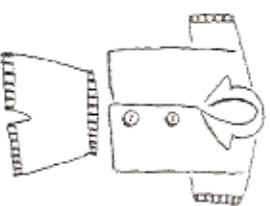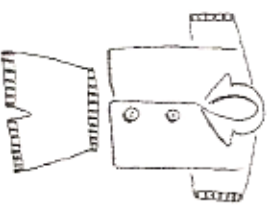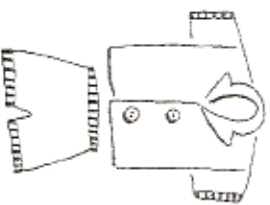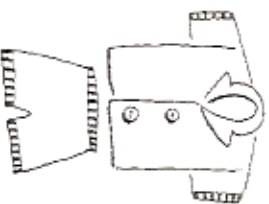
Use these numbers to write equations:
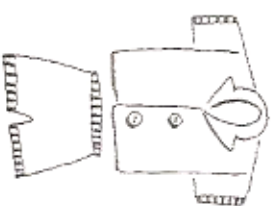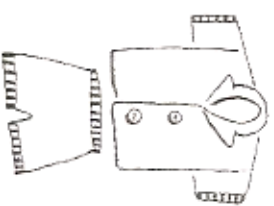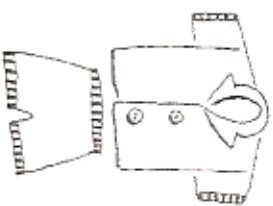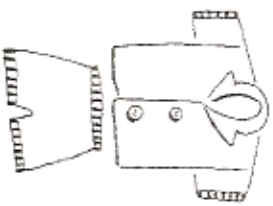
0 1 2 3 6 7

Make 13 six different ways.

$$\begin{array}{r} \Box\ \Box \\ -\ \Box\ \Box \\ \hline 13 \end{array} \qquad \begin{array}{r} \Box\ \Box \\ -\ \Box\ \Box \\ \hline 13 \end{array} \qquad \begin{array}{r} \Box\ \Box \\ -\ \Box \\ \hline 13 \end{array}$$

$$\begin{array}{r} \Box\ \Box \\ +\ \Box \\ \hline 13 \end{array} \qquad \begin{array}{r} \Box \\ +\ \Box \\ \hline 13 \end{array}$$

$$\Box + \Box + \Box + \Box = 13$$

11

A garage sometimes has only motorcycles.
A garage sometimes has only cars.
A garage sometimes has motorcycles and cars.
If there are 18 wheels in all, what might be in the garage?
Circle the different groups.
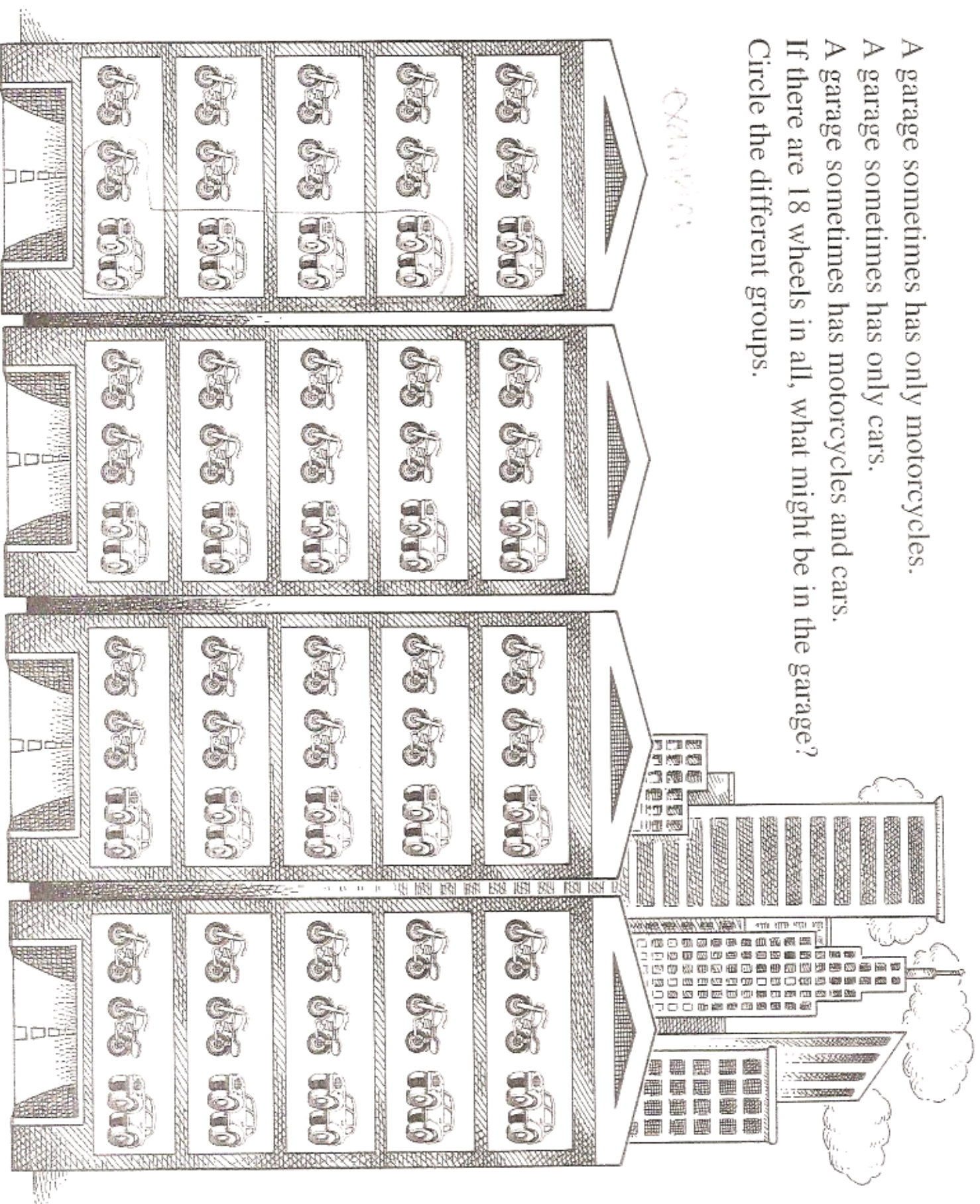
Use these numbers to write equations:

1   6   7   9

□ − □ = 1

□ − □ = 2

□ + □ − □ = 3

□ + □ − □ = 4

□ − □ = 5

□ − □ = 6

□ − □ = 7

□ − □ = 8

□ − □ = 9

□ − □ + □ = 10

□ − □ = 11

□ + □ − □ = 12

Use these numbers to write equations:

1   2   3   5   9

Make 14 six different ways.

| □ □ | + | 14 |

| □ □ □ | − | 14 |

| □ □ □ | + | 14 |

□ □ − □ = 14

□ □ + □ = 14

□ □ − □ = 14

Circle the numbers that go together.

cones

8
7
9

scoops

7
10
4

bicycles

1
5
3

wheels

2
5
12
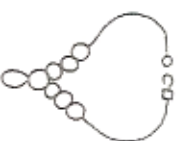
necklaces

2
3
1

beads

9
16
20
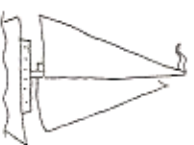
boats

3
7
6

sails

12
16
9

bugs

3
4
6

spots

8
16
25

bowls

5
4
8

fish

20
12
16

boxes

4
2
3

crayons

24
6
12

baskets

2
3
5

apples

5
15
20

Use these numbers to write equations:

1   4   6   7

$\square - \square = 1$

$\square - \square = 2$

$\square - \square = 3$

$\square + \square = 4$

$\square - \square = 5$

$\square - \square = 6$

$\square - \square = 7$

$\square - \square = 8$

$\square - \square = 9$

$\square + \square = 10$

$\square + \square = 11$

$\square - \square = 12$

Circle the numbers that go together.
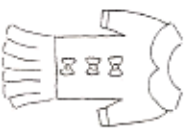
dresses
10
8
12

bows
30
11
9

vases
3
2
7
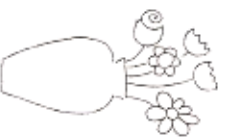
flowers
4
9
15

jars
4
2
1

jellybeans
16
0
24

nests
5
4
9

eggs
15
28
20

buckets
2
1
6
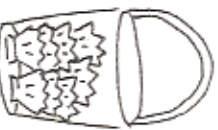
shells
12
4
16

bags
2
1
4

marbles
14
3
9

bunches
3
1
2

bananas
20
6
12

baskets
6
2
4

kittens
18
24
5

Use these numbers to write equations:

1 2 6 7 8 9

Make 15 six different ways.

□ □
+ □
――
15

□ □
+ □
――
15

□ □ □
+ □
――
15

□ + □ + □ = 15

□ □ − □ = 15

□ □ − □ = 15

Circle the numbers that go together.

shelves   books
8   4
6   10
5   8

hats   feathers
7   15
8   17
9   14

teddy bears   buttons
3   6
2   9
1   4

cakes   candles
2   9
4   5
7   4

machines   gumballs
4   10
8   15
3   12

purses   pennies
3   12
5   9
2   5

wagons   wheels
4   13
7   16
2   10
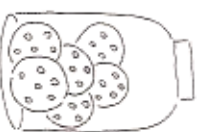
jars   cookies
6   10
5   12
2   15
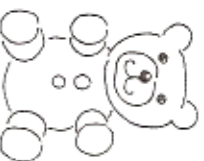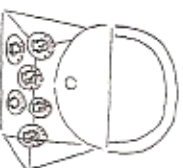
Use these numbers to write equations:

1 4 5 9

☐ − ☐ − ☐ + ☐ = 1

☐ − ☐ + ☐ = 2

☐ − ☐ − ☐ = 3

☐ − ☐ − ☐ = 4

☐ − ☐ − ☐ = 5

☐ + ☐ = 6

☐ + ☐ − ☐ − ☐ = 7

☐ + ☐ − ☐ = 8

☐ + ☐ + ☐ = 9

☐ + ☐ − ☐ = 10

☐ + ☐ − ☐ + ☐ = 11

☐ + ☐ + ☐ − ☐ = 12

Circle the numbers that go together.

cans
12
10
8

pencils
14
16
12

buckets
4
5
8

shells
10
14
12
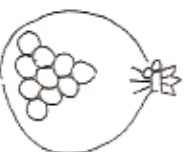
bags
2
3
4

marbles
16
32
20

nests
4
1
5

eggs
2
6
12

bugs
4
8
3

spots
20
16
28

cones
4
5
3

scoops
15
14
10

packages
0
3
4

gum
6
24
16

necklaces
3
7
5
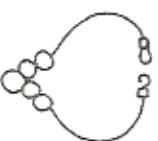
beads
25
10
30

Use these numbers to write equations:

0 1 2 4 6 8

Make 16 six different ways.

$$\begin{array}{c} \square\ \square \\ +\ \square \\ \hline 16 \end{array}$$

$$\begin{array}{c} \square\ \square \\ -\ \square \\ \hline 16 \end{array}$$
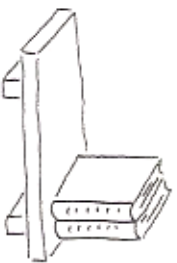
$$\begin{array}{c} \square\ \square \\ +\ \square \\ \hline 16 \end{array}$$

$$\begin{array}{c} \square\ \square \\ -\ \square \\ \hline 16 \end{array}$$

$$\begin{array}{c} \square\ \square \\ -\ \square \\ \hline 16 \end{array}$$

$$\square + \square + \square = 16$$

If $\triangle = 2$ and $\bigcirc = 3$, circle the groups that are less than 9.
Write an equation below each group that is circled.

Use these numbers to write equations:

2 3 5 7 8 9

Make 17 six different ways.

$$\boxed{} + \boxed{} \over 17$$

$$\boxed{}\,\boxed{} - \boxed{}\,\boxed{} \over 17$$

$$\boxed{}\ \boxed{}\ \boxed{} \over 17$$ (+)

$\boxed{} + \boxed{} + \boxed{} = 17$

$\boxed{} + \boxed{} + \boxed{} = 17$

$\boxed{}\,\boxed{} - \boxed{} = 17$
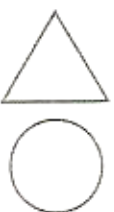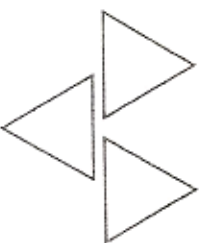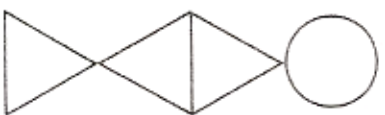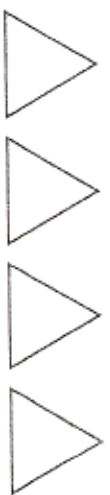
If $\square + \triangle = 12$, show how $\square$ could be:

1. even

2. odd

3. less than 3

4. more than 8

5. between 4 and 8

6. not a 1-digit number

7. equal to $\triangle$

8. less than $\triangle$

$\square + \triangle = 12$

$\square + \triangle = 12$

$\square + \triangle = 12$

$\square + \triangle = 12$

$\square + \triangle = 12$

$\square + \triangle = 12$

$\square + \triangle = 12$

$\square + \triangle = 12$

Use these numbers to write equations:

1   2   3   5   6   7

Make 18 six different ways.

$$\begin{array}{r} \boxed{}\ \boxed{} \\ -\ \boxed{} \\ \hline 18 \end{array} \qquad \begin{array}{r} \boxed{}\ \boxed{} \\ +\ \boxed{} \\ \hline 18 \end{array} \qquad \begin{array}{r} \boxed{}\ \boxed{} \\ -\ \boxed{} \\ \hline 18 \end{array}$$

$\boxed{}\ \boxed{} + \boxed{} = 18$

$\boxed{}\ \boxed{} - \boxed{} = 18$

$\boxed{}\ \boxed{} + \boxed{} = 18$

Use these numbers to write equations:

0   1   2   4   5   7

Make 19 six different ways.

$$\begin{array}{r} \Box \ \Box \\ + \ \Box \\ \hline 19 \end{array} \qquad \begin{array}{r} \Box \ \Box \\ + \ \Box \ \Box \\ \hline 19 \end{array} \qquad \begin{array}{r} \Box \ \Box \\ + \ \Box \ \Box \\ \hline 19 \end{array}$$

$\Box \ \Box - \Box = 19$

$\Box \ \Box + \Box = 19$

$\Box + \Box + \Box + \Box + \Box = 19$